

Appl. No. 10/648,687

Remarks/Arguments

In the specification the new paragraphs on page 12 (after line 17) and page 40 (after line 15) have been added in order to describe how the capabilities of interaction depth information and interaction height information (sub-aperture resolution) can be attained with edge-on scintillator arrays as well as edge-on semiconductor arrays.

In the specification on pages 9, 10, and 38 minor corrections are made with respect to subscripts.

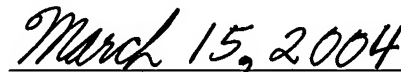
In the specification on pages 5, 9, 10, 12, 18, and 36 minor changes are made that provide more details or more accurate descriptions.

Claims 21, 22, 23 are new and are directed to the use of edge-on detectors with sub-aperture resolution capability in nuclear medicine.

If there are questions I can be contacted by email (rnelson@mail.sdsu.edu) or by phone (619-594-1013).

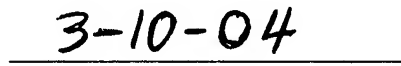
Respectfully submitted,


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